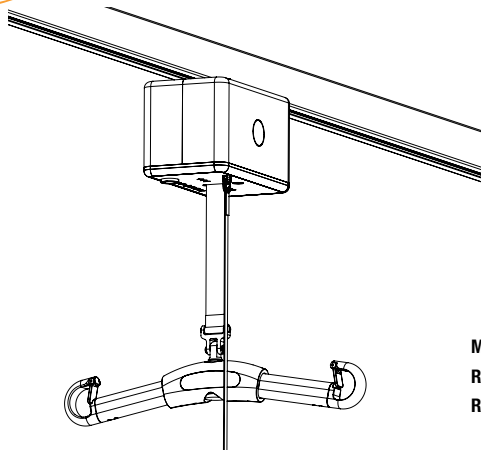




Max:

RiseAtlas450: 205 kg/450 lbs

RiseAtlas625: 285 kg/625 lbs

The RiseAtlas lift unit has been developed, for use in combination with the appropriate lifting accessories, for transferring patients conveniently between two locations. RiseAtlas is installed on the appropriate rail system to cover lifting needs in the given situation. The rail system may consist of a straight rail, with or without rail curves, or a traverse system. It is also possible to transfer patients between two rooms using RiseAtlas.

RiseAtlas450 and RiseAtlas625 are available in two models. RiseAtlas450/625M without a built-in transfer motor.

RiseAtlas450/625M with a built-in transfer motor.

Handicare's SystemRoMedic product series includes a range of lifts, slings and other accessories. SystemRoMedic adopts a holistic approach to patient transfers and is organized in four categories: transfer, positioning, support and lifting.



Functional inspection

Visual inspection

Inspect lift functions regularly. Check to ensure that material is free from damage.

Before use:

Ensure that the product is correctly assembled.

Check rail end stops.

Check slingbar connection and safety latch function.

Check lifting movement.



Always read the manual

Always read the manuals for all assistive devices used during a transfer.

Keep the manual where it is accessible to users of the product.

The user/attendant shall be trained professional with thorough understanding of the equipment and lifting of disabled persons.

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Mounting

Unpacking and check

With RiseAtlas, the following is included in the package:

- 1 RiseAtlas lift unit
- 1 Handset
- 1 Manual
- 1 Charger (wall-mounted or rail-mounted)
- 1 set Charger adaptor for charger station, and contact for charger
- 1 Key for manual emergency lowering (inserted in cover)

Check to ensure that no components are left in the packaging.
Inspect the lift unit for signs of damage.

Transport and storage

RiseAtlas is shipped with the emergency stop activated to prevent battery discharge during transport or long-term storage.

Installing the lift unit

NOTE! The lift unit and carriage must be installed and inspected by authorized personnel according to instructions issued by Handicare AB. Periodic inspection must be performed at least once yearly. Use only original spare parts. Service and maintenance must be performed according to instructions in the manual.

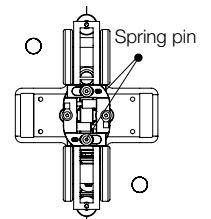
The lift must be charged for at least 3 hours before it is used for the first time.

Check to ensure that the charging points are set for the charging alternative chosen. As standard, the lift is factory pre-set for charging at a charger station, with installed spring pins. When installing the lift unit for in-rail charging on the rail system, the system must be fitted with charger rails. The charger plate must be set for in-rail charging.

Exercise caution when installing the lift unit, so that the charger wheels do not come in contact with the rail, since this may cause short-circuiting.

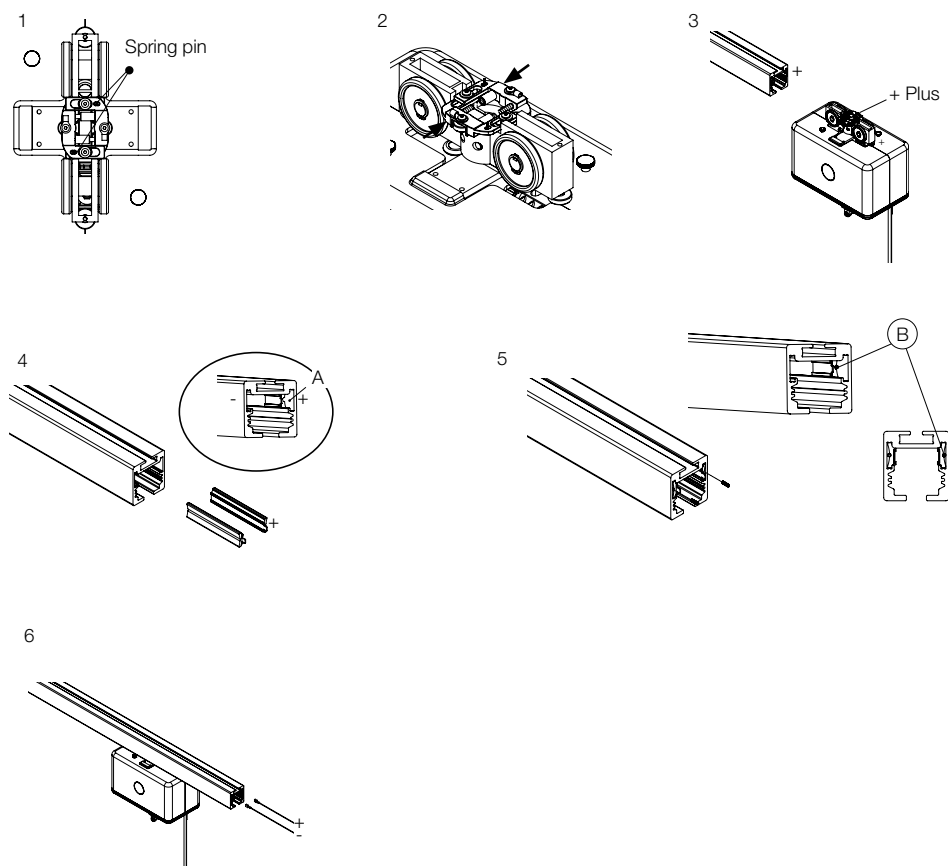


Alteration of the charging alternative must be performed by authorized personnel according to instructions issued by Handicare AB.



Charger station:

- 1) Check to ensure that the charging points are set for the charger station; the charger plate is secured with the spring pins, see figure 1.
- 2) Check to ensure that the charger plate springs in and out when pressure is applied to the charger plate, see figure 2.
- 3) Guide the lift unit onto the rail so that the plus on the charging point is on the right side, according to figure 3.
- 4) Mount charger contacts according to figure 4. NOTE! Push the charger contact (A) in about 50 mm if only a stop bolt is used. When an adjustable end-stop is used, the charger contact is pushed in about 90 mm.
- 5) Affix the accompanying screws for charger contacts, see figure 5 (B).
- 6) Connect the red cable to the charger contact on the right side, the charger plate's plus side (positive), and the black cable on the left side (negative), according to figure 6.
- 7) Install the end-stop on the rail.

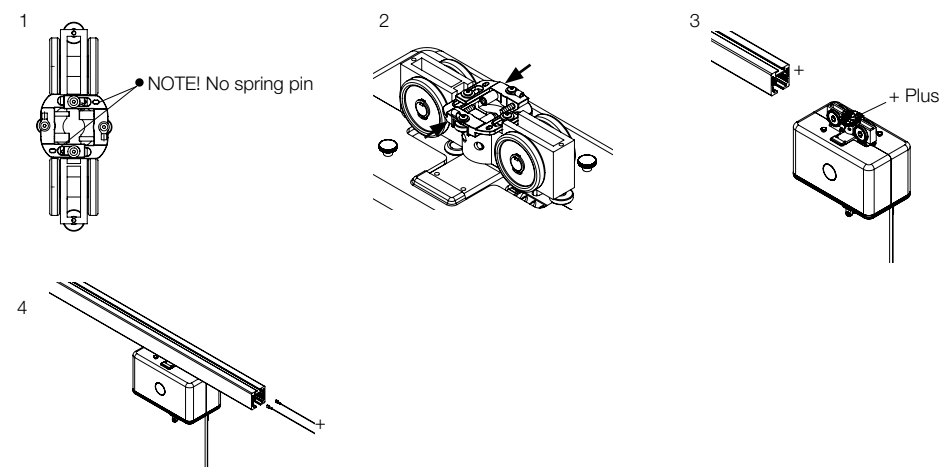


In-rail charging:

If the in-rail charging option is chosen, the rail system must be fitted with charger rails before installation. The charger that is included with the lift unit is used. It is connected to the charger rails in the same way as the charger station, see section Charger station.

NOTE! Alteration of the charging alternative must be performed by authorized personnel according to instructions issued by Handicare AB.

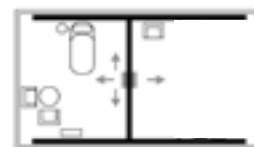
- 1) Set the charging points for in-rail charging; the charger plate is not secured with the spring pins, see figure 1. To set the charging points for in-rail charging, remove the spring pins that hold the charger plate in place. Then, the dip switch on the circuit board is set for the desired charging function.
- 2) Check to ensure that the charger plate springs in and out when pressure is applied to the charger plate, see figure 2.
- 3) Check to ensure that charger rails have been installed (installation of charger rails is described in the installation manual for MilkyWay).
- 4) Guide the lift unit onto the rail so that the plus on the charging point is on the right side, according to figure 3.
- 5) Connect the red cable to the charger rail on the right side, the charger plate's plus side (positive), and the black cable on the left side (negative), according to figure 4.
- 6) Install the end-stop on the rail.



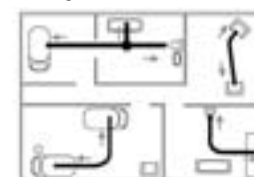
Different rail systems

The choice of rail system is determined by lifting needs.

H system



Straight rail, curves, turntable



Freestanding straight rail



Final inspection

- The RiseAtlas lifting unit and the RiseAtlas trolley must be installed and first-time inspected by authorized personnel (inspector) in accordance with the installation instructions provided by Handicare AB. Periodic inspection of the equipment should be undertaken at least once a year. Original spare parts should be used and service/maintenance of the equipment should be in accordance with the manual.
- Check to ensure no parts in package.
- Check and ensure that the lift has no signs of damage after transportation.
- Check to ensure that the emergency stop is functioning by pulling it out, and then pressing the UP or DOWN button. If nothing happens, the emergency stop is working properly.
- Check the entire length of the strap for signs of damage and inspect seams for wear. Press the up button and run the strap all the way up. Then, press the down button and run the strap all the way down.
- Test lift function by lifting a person (not a patient) using an approved sling. At the same time, check both the manual and electrical emergency lowering function with someone in the lift. See section on Emergency lowering.
- Check to ensure that the rail system is equipped with end stops.
- Run the lift unit to the charger station at the end of the rail and check to ensure that the battery symbol and control panel light up.
- Check the hand control cable for signs of wear.
- Check to ensure that hand control markings coincide with lift functions.
- The user/attendant shall always pay attention to and report any unusual noises or vibration of the equipment.

NOTE!

Before the lift is used for the first time it must be charged for at least 3 hours. See section on charging the lift.

RiseAtlas is shipped with the emergency stop activated to prevent battery discharge during transport or long-term storage.

Always keep the key for the emergency lowering device close to the lift.

All personnel who use the lift must be informed of where the key is kept.

Using the product



Important information

- The user/attendant shall be trained professional with thorough understanding of the equipment and lifting of disabled persons. It is important that proper accessories and techniques are used by the user/attendant and it is also very important that a patient never is left unattended in a lifting situation.
- Warranty does not apply if repairs or alterations are made to the lift by personnel who are not authorized.
- RiseAtlas must not come in direct contact with water.
- To ensure optimal function, the lift must be inspected regularly. See section on Maintenance.
- Under no circumstances may safe working load be exceeded. See section on technical information and the product label on the lift.
- Lifting accessories must be properly fitted and tested in relation to the patient's needs and functional ability.
- Particular care must be taken when using the equipment near strong sources of interference, such as diathermy apparatus, so that e.g., diathermy cables and similar equipment are not placed near the device. When in doubt, consult your equipment technician or the supplier.

Before use

- Inspect the lift for signs of wear and damage.
- Check the hand control cable for signs of wear.
- Check to ensure that hand control markings coincide with lift functions.
- Check battery charge level.

Safe working load

SWL
RiseAtlas450: 205 kg/450 lbs
RiseAtlas625: 285 kg/625 lbs

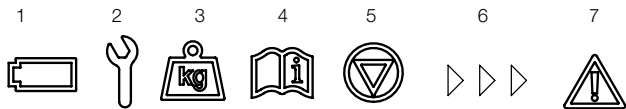
Different products on the same lift system (lift unit, sling and other lifting accessories) may have different allowable safe working loads. The lowest allowable safe working load always determines the safe working load of the assembled system. Always check the safe working loads for the lift and accessories before use. Contact your dealer if you have any questions.

Description of functions and symbols

RiseAtlas has many built-in functions. Each function is described in the respective section in the manual, or in the manual for the respective accessory. Below is a brief description of the functions that are available for caregivers and patients.

- Electronic soft-start and soft-stop
- Electrical and mechanical emergency lowering
- Emergency-stop button on cover
- Mechanical fall protection
- Overload protection
- ON/OFF on handset
- LED symbol indicates when it is time for service or maintenance
- LED symbol for low battery charge
- LED symbol for battery charging

Symbols and functions



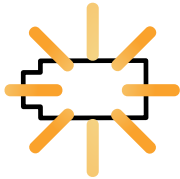
- 1) Symbol indicates battery status
- 2) Symbol indicates when the lift requires service or maintenance
- 3) Symbol for overload
- 4) Symbol for read manual
- 5) Symbol for emergency stop
- 6) Symbol for directional indication, transfer motor
- 7) Symbol for warning Read the manual.

Charging the lift unit

RiseAtlas can be used with two different charging systems:
1. End-of-rail charging at a charger station
2. In-rail charging

For both alternatives, the lift unit is charged with a charger unit that is connected to the charger cables via a DC outlet. The charger should be kept in an appropriate location. Note that the charger is a separate unit and can be easily mistaken for another charger. Ensure that the correct charger is used, see Technical information.

- 1) End-of-rail charging: For end-of-rail charging, the lift unit is placed at the charger station at the end of the rail. If the rail system is of the traverse type, the secondary rail is placed at the end of the primary rail at which the charger station is located. Check to ensure that the battery symbol lights up.
- 2) In-rail charging: For in-rail charging, the lift unit is always being charged, which means that it can be left anywhere on the rail and will charge automatically.



Battery status, charger station

The battery symbol lights green when battery capacity exceeds 50%.
If the battery symbol blinks orange when the lift is started, the battery needs to be charged.
If the battery symbol lights orange and a beep is heard when the lift is run up, the battery needs to be charged immediately.
When the lift unit is placed in the charging position the battery symbol lights green for 4 min. The freestanding charger unit also indicates charging status via a coloured lamp. When the lift unit is fully charged the charger unit lamp lights green.
When the lift unit is activated the battery symbol lights up for two seconds to indicate the current battery status.

Battery status, in-rail charging

The battery symbol lights green when battery capacity exceeds 50%.
When the lift unit is activated the battery symbol lights green for 4 min.
If the battery symbol and the book symbol blink orange when the lift unit is started, the circuit for the charging system has been broken and must be checked by a technician.

NOTE!

Use only the charger that is intended for the lift unit.
For maximum service life, charge batteries regularly. Do not allow the battery charge level to fall below 25% (orange symbol on control panel).
Emergency stop must not be activated during charging.



Batteries may only be replaced by authorized personnel.

Hand control

Connection of hand control to lift unit:

The outlet for the hand control is on the underside of the lift unit, figure 1. Press the handset in securely.

Raising/lowering

The buttons with the black arrows raise and lower the lift strap. Raising/lowering is interrupted as soon as pressure on the buttons is released, figure 2.

Transfer along rail (applies to RiseAtlas450T/625T):

The buttons with the black arrows in the lateral direction transfer the lift unit along the rail, figure 3.

ON/OFF via hand control

The hand control is equipped with a green (ON) button for activating the lift unit and a button for switching it off (OFF), figure 3. The lift unit switches off automatically after about 4 minutes of inactivity. Normally, the lift must be activated via the green (ON) button before use.

Activate/start the lift unit

The lift is switched on via the green (ON) button on the hand control. A battery symbol lights up for about 2 seconds to indicate battery status. If the lamp does not light, check to ensure that the emergency stop is not activated.

Active safety

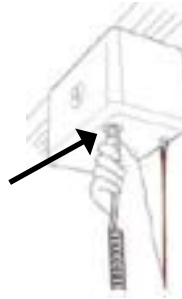
RiseAtlas has a built-in strap guard which prevents the lift from being manoeuvred up or down unless the lift is loaded with at least 2 kg. The purpose of this safety feature is to prevent the strap from being run in and out without load, which may lead to shorter drops when the lift is subsequently used.

RiseAtlas stops automatically when the lift strap is not loaded e.g., when the slingbar is lowered to a bed. If this happens, the strap must be stretched in order to be run down or up.

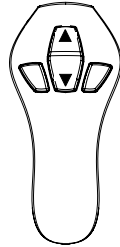
If the lift strap becomes twisted during lifting, RiseAtlas switches off automatically and can only be run down.

To save battery charge, the lift unit switches off automatically after about 4 minutes of inactivity.

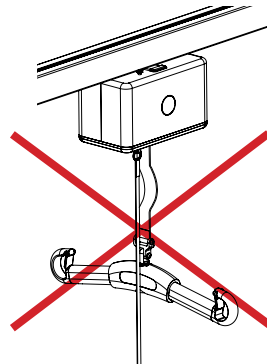
1



2



3



Control panel

On the control panel on the underside of the lift unit there are several symbols. The symbols light up when a function is activated. More information on each function is given below, and under Trouble-shooting.

1) Battery status is indicated for 2 sec. when a lift with end-of-rail charging is activated, and for 4 min. if the in-rail charging option is used.

2) Information concerning service and maintenance. This symbol is activated once the lift unit has been in service for 12 months.

3) RiseAtlas is equipped with overload protection, which prevents the lift from lifting more than the maximum rated load. A symbol for overload and a warning triangle light up and a signal is heard. If this symbol is activated, the patient is too heavy.

4) The book symbol is activated, prompting the user to read the manual. Often, the book symbol will light up at the same time as another symbol lights up, indicating that the user should read the manual before using the lift again.

5) RiseAtlas is equipped with night lighting, which is activated by pressing and holding the ON button on the handset for 3 seconds. The LED lamp lights for 4 min. if it is not inactivated via the OFF button on the handset.

6) Some RiseAtlas models are equipped with an extra accessory that causes a symbol to light up for 30 sec. if the emergency stop function is activated. This lamp will light up each time the lift unit is switched on via the handset.

7) The RiseAtlas T-models are equipped with a directional indicator. When lateral transfer is activated via the handset, arrows indicate the direction of travel.

8) The warning triangle is activated, prompting the user to read the manual. Often, the warning triangle will light up at the same time as another symbol lights up, indicating that the user should read the manual before using the lift again. Normally, a technician must be contacted when this symbol is activated.



Preventative service/maintenance

The symbol for service/maintenance lights up automatically when the lift unit has been in service for 12 months. Contact an authorized Handicare service technician for maintenance and resetting.

Emergency stop

To activate emergency stop: Pull the red emergency stop strap firmly, figure 1, and then release.

To reset: Press the emergency stop strap's button back into place, figure 2.



If the emergency stop strap is held down constantly, electrical emergency lowering will be activated. When the strap is released, the lift will resume the emergency stop position.

Electrical emergency lowering

If the handset is not functioning, electrical emergency lowering can be activated by holding the emergency stop strap down, diagram 1. Lower the patient to a safe height and location.



Electrical emergency lowering may only be used if the handset is malfunctioning. The electrical emergency lowering device feeds out the lift strap for as long as the emergency stop strap is held down. Ensure that the lowering motion is activated. Otherwise, electrical emergency lowering must be stopped. Always ensure that emergency lowering is done in an appropriate location.

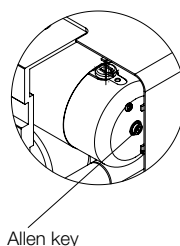
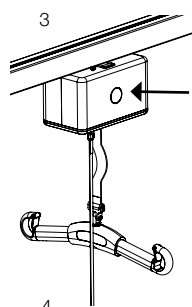
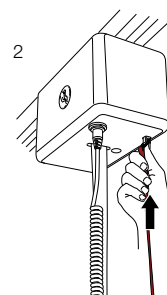
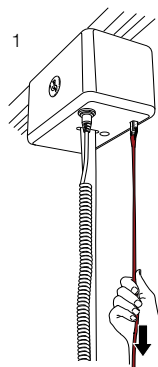
To re-set: Press the plastic button that holds the red strap in place upward until it clicks, see figure 2.

Manual emergency lowering/raising

Remove the plastic cover on the same side as the emergency stop strap, figure 3. On the inside of the cover there is an Allen key. Remove the Allen key and insert it into the hole as indicated, figure 4. Turn it clockwise to lower and counter-clockwise to raise the slingbar. Always ensure that emergency lowering is done in an appropriate location.

NOTE! Lowering is very slow.

Re-setting manual emergency lowering/raising: Contact an authorized Handicare service technician. Do not use the lift unit.



Trouble-shooting

If lifting motion cannot be activated, check to ensure:

- that the emergency stop is not activated; on certain models, the emergency stop symbol lights up;
- that the lift unit is switched on (ON) via the handset (a signal is heard);
- that the handset is properly connected and pressed in securely; disconnect, and then replace it and press it in securely;
- that the lift unit is not in the charging position; the lift unit is blocked for use when it is in the charging position;
- that the battery is charged;
- that the charger has a power supply; the charging lamp on the charger unit should light up when the lift unit is placed in the charging position;
- that load is applied to the lift strap.

If the lift unit is not working properly, contact your Handicare dealer.

If the lift cannot be run all the way up to stop, check to ensure:

- that the overload symbol is not activated;
- that the battery symbol does not indicate low battery charge level.

If the lift cannot be run down, check to ensure:

- that load is applied to the lift strap;
- that the battery symbol does not indicate low battery charge level;
- that the directional indicators on the buttons, arrow up and arrow down, are correct.

If unusual sounds are heard:

- try to locate the source of the sound. Take the lift unit out of service and contact your Handicare dealer.

Accessories

SystemRoMedic

Slings

SystemRoMedic offers a wide variety of functional and comfortable high quality lifting slings adapted to meet the different requirements of all kinds of lifting situations and users. The lifting slings are available in four different materials and in sizes ranging from XXS to XXL. All models are safe and very easy to use.

Sling bars

SlingBar is SystemRoMedic's aluminium sling bar. It's available in three different widths and is therefore suitable in most lifting situations and for users of all sizes.

SlingBar S article no.: 70200001

SlingBar M article no.: 70200002

SlingBar L article no.: 70200003

SwiftHook for sling bar article no.: 70200008

StretcherBar, article no.: 70200006, and StretcherSling, article no.: 46502007, for lifting in a supine position.

Scale

SystemRoMedic's scales Charder MHS2500 are used together with stationary or mobile lifts for weighing of users.

Article no.: 70100002

Article no.: 70100003

Assistive devices for positioning

SystemRoMedic includes a wide range of functional, comfortable, high-quality assistive devices for positioning that can be adapted for different types of lifting and for patients with different needs.

Ready for life

Sling bar

The Ready for life four-point slingbar, Sling bar RFL X4, is designed to provide more space in the sling, for example, for obese and/or pain-sensitive users. Article no.: 70200017



Maintenance

The lift must undergo thorough inspection at least once per year. Inspection must be performed by authorized personnel and in accordance with Handicare's service manual. Repairs and maintenance may only be done by authorized personnel using original spare parts.



Spent batteries are to be left at the nearest recycling station. Spent batteries can also be returned to Handicare or a Handicare dealer for recycling.

Cleaning/disinfection

Clean the lift with warm water or rubbing alcohol. Do not use cleaning agents containing phenol or chlorine, as this may damage the material.

Storage

To ensure maximum battery life, charge regularly. We recommend that the charger is plugged into the lift unit when not in use. Do not allow battery charge to fall below 25%. Store the lift at a temperature above freezing point, 10 °C to 40 °C, not exceeding normal relative humidity 30 % to 75%. The air pressure shall be between 700 and 1060hPa.

Service agreements

Handicare offers the possibility of service agreements for maintenance and regular testing of your lift. Contact your local Handicare representative.

Technical information

Lift motor:	24VDC
Lifting speed:	3,9 cm/s (5,0 cm/s), 1.5 inch/s (2.0 imch/s) with (without) load
Charger IN:	Mascot 2240 100-240VAC/ 50-60Hz Max 0,9A
Charger OUT:	41 VDC ±0,3 Max 0,9A
Batteries:	24 VDC (20st 1,2VDC) 3,2 Ah. NIMH20XA3200
Motor cover:	Flame-resistant ABS plastic
Hand control:	Electronic
Emergency lowering:	Mechanical and electrical
Lift weight	7-7,5kg, 15,4-16,5 lbs
Lifting range:	200-240 cm, 78,7-94,5 inch
SWL RiseAtlas450:	205 kg, 450 lbs
SWL RiseAtlas625:	285 kg, 625 lbs
Sound level:	Unload: 55 dB, Max load: 57 dB
Pressure hand control:	Buttons on hand control: 4 N
Lift measurements:	23,3 x 15,1 x 14,6 cm, 9,2 x 5,9 x 5,7 inch
Intermittent operation:	Op 10/90, active op. max. 2 min. Out of a time of 100, active time must be less than 10, though not more than 2 min.
IP class, lift unit:	IP X3
IP class, hand control:	IP X4
Expected service life:	10 years



The device is intended for indoor use.



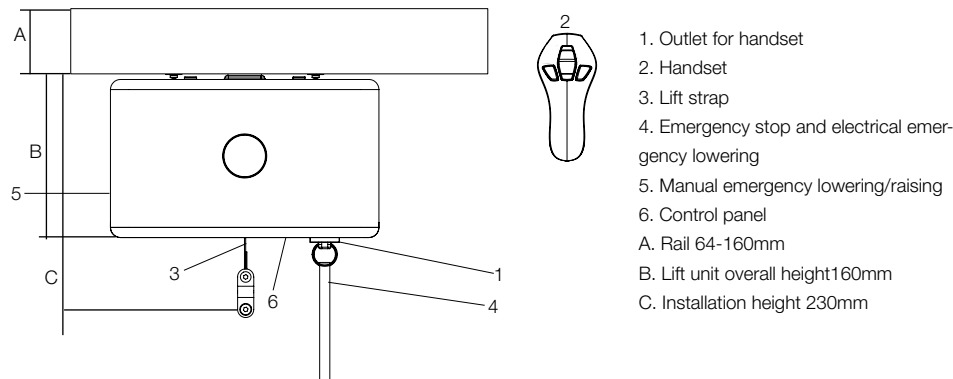
Type B, according to the degree of protection against electric shock.



Class II equipment

The product fulfills the demands stated in the MDD 93/42/EEC.

Detailed description



SystemRoMedic™

For 25 years we have applied ourselves wholeheartedly to developing smart and easy-to-use assistive devices for easy transfers and to making life and work easier for both patients and personnel in the care sector.

Experience, innovation and training are the basis for SystemRoMedic, a total solution for every imaginable transfer situation.

Transfer: products for moving patients between locations.

Positioning: products for repositioning in the same location.

Support: products that provide mobility support.

Lifting: products adapted for lifting.

The philosophy behind SystemRoMedic is to prevent occupational injuries while improving the patient's sense of independence and dignity. Through a combination of training and a complete range of transfer-assistive devices, SystemRoMedic offers the means to improving both the work environment and the quality of care while enabling significant cost savings.

Our mission, to help people, has always been, and will continue to be, the driving force of innovation. We love easy transfers.

Contact your local distributor if you have any questions about the product and its use. See www.handicare.com for a complete list of distributors. Always make sure that you have the right version of the manual. The most recent editions of manuals are available for downloading from our website, www.handicare.com



handicare

Handicare AB
Veddestav. 15, Box 640
SE-175 27 Järfälla
SWEDEN

Tel: +46 (0)8-557 62 200
Fax: +46 (0)8-557 62 299
E-mail: info@handicare.se

Internet: www.handicare.com